Argonne: ATLAS Operations & Upgrades

The ANL ATLAS Group

Full FTE Physicists:

- Bob Stanek
- Tom LeCompte
- Jimmy Proudfoot
- Larry Price
- Bob Blair
- Rik Yoshida
- Sergei Chekanov
- Jinlong Zhang
- Heuijin Lim (postdoc)
- Esteban Fullana (postdoc)
- Belen Salvachua (postdoc)

Computing:

- David Malon
- Sasha Vanyashin
- Peter van Gemmeren
- Jack Cranshaw
- Qizhi Zhang

Part FTE Physicists:

- Dave Underwood
- Larry Nodulman
- Barry Wicklund
- Guilherme Lima (NIU Joint Appointment)

Maintenance & Operations (ANL)
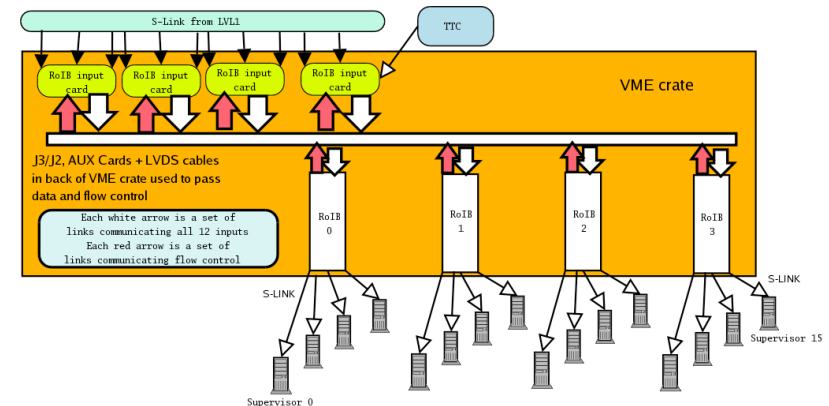
- **Tile/TDAQ Operations**
  - Performance monitoring and diagnostics
  - Data and DQ management

- **Hardware maintenance**
  - Monitoring and repairs of RoIB
  - Monitoring and repairs of LVPS

- **Software maintenance and upgrades**
  - Databases
  - Event store, Bytestream
  - Performance and monitoring tools

- **Other Areas**
  - JetEtMiss Combined Performance
  - E/gamma Combined Performance
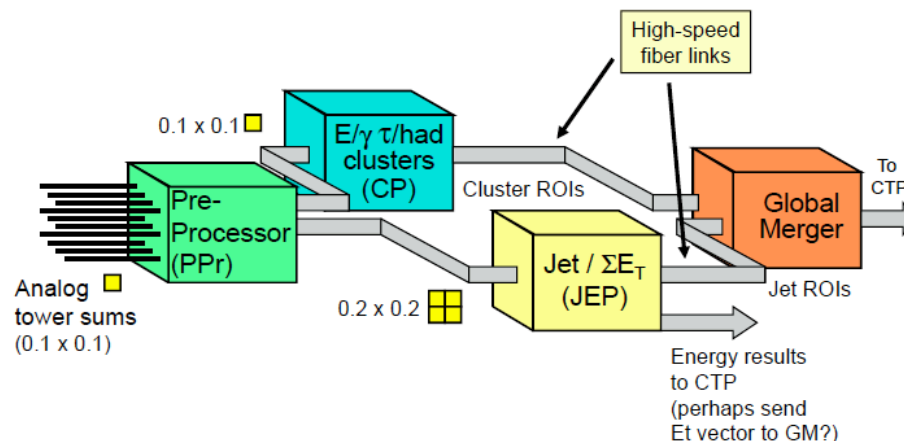
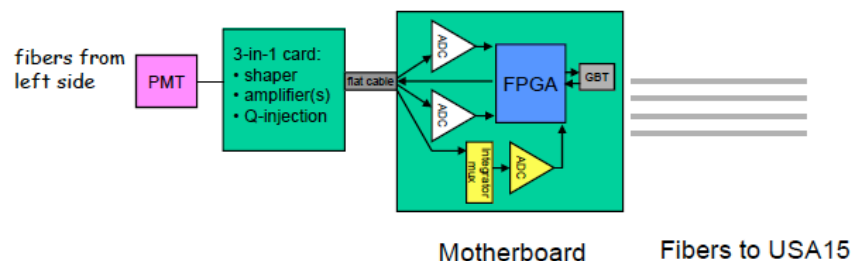# ATLAS Upgrades - ANL plans & exploratory ventures

- **Tile**
  - **Front end electronics and LVPS**
  - **ROD/ROS**

- **TDAQ**
  - **L1 (calorimeter) trigger**

- **Inner Detector**
  - **Layout simulation studies**
  - **Mechanical Engineering?**
  - **Readout electronics and Trigger?**
  - **Detector R&D (what if ...)**

Phase I => Phase II with full digital pipeline